

Federal Advisory Committee Act
Clean Air Act Advisory Committee
Mobile Sources Technical Review Subcommittee

Co-Chairs: Michael Walsh and Robert Sawyer

Designated Federal Official : Gregory Green

Minutes of the Subcommittee's Meeting on October 24, 2001

Dearborn, Michigan

FINAL

Introduction and Opening Remarks

Michael Walsh (consultant) called the meeting to order at 9:00 a.m. and welcomed attendees. Packets were distributed to members and observers that included the meeting's agenda, handouts of presentations, a welcome message and background information for observers, the meeting evaluation form, information on the members of the Subcommittee, the MSTRS newsletter, and a meeting calendar.

Mr. Walsh reviewed business items for the meeting. The minutes from the April 18th meeting were approved as written. He amended the agenda to allow Ms. Coralie Cooper to report on the Air Toxics Workgroup meeting.

Presentations on the National Energy Policy

- Mr. John Hall (EPA) gave the presentation "National Energy Policy Overview." He described the three basic principles and five national goals of the National Energy Policy. He focused on energy consumption and air emissions from the transportation sector, and discussed the transportation-related issues that the policy addresses. Mr. Hall also outlined the emerging Voluntary Partnership Programs to help decrease emissions and increase efficiency within the transportation system.
- Ms. Gay MacGregor (EPA) gave the presentation "Energy Plan: Idle Controls." She focused on alternatives to truck idling in order to conserve energy and reduce emissions. Under the Energy Plan, the EPA is directed to work with DOT to establish a truck stop idling control program. Ms. MacGregor discussed the environmental impacts of idling, technological solutions to idling, and Energy Plan goals to reduce idling.
- Mr. Jim March (DOT) gave the presentation "Summary of DOT Activities Supporting the National Energy Policy." He discussed major DOT Energy Policy Initiatives, including Corporate Average Fuel Economy (CAFE), idling reduction, vehicle fuel economy, congestion mitigation, and energy efficiency technologies. He also outlined multi-agency initiatives that address global climate change, pipeline safety and other pipeline issues, and alternatives to oil.

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Presentations on Current Research

- Mr. Joseph Norbeck (University of California–Riverside) gave the presentation “Development of an On-Road Heavy Duty Emissions Research Laboratory.” He described the operational and equipment requirements, personnel, and technical challenges of the laboratory. He also discussed results of on-road tests and analyses of on-road emissions data.
- Mr. Randy Guensler (Georgia Tech.) gave the presentation “2001-2003 Atlanta Instrumented Vehicle Intensive.” He described a three-year study (sponsored by the National Highway Traffic Safety Administration) that will collect trip-making and vehicle operating characteristics for 1100 vehicles in the Atlanta area. These data will include crashes and high-risk driving patterns. The data will improve the understanding of the relationships between driver behavior, on-road driving patterns, and crash risk across demographic groups and environmental and physical conditions. The study will select participants in conjunction with the Year 2000 SMARTRAQ Travel Survey.

Presentations from Workgroups

- Mr. Bob Jorgensen (Cummins) gave the presentation “Review of EPA’s NVFEL Laboratory Modernization Plan.” The presentation summarized the workgroup’s recommendations for upgrading the laboratory. Mr. Walsh proposed sending the recommendations to the Clean Air Act Advisory Committee with the Subcommittee’s endorsement. The Subcommittee endorsed the recommendations. Several members recommended that the Subcommittee’s chairmen emphasize the need for funding when sending the recommendations to the Clean Air Act Advisory Committee.
- Mr. Glenn Passavant (EPA) gave the presentation “MSTRS Nonroad Work Group Status Report.” He briefed the Subcommittee on the activities, vision statement, and recommendations of the workgroup and the key issues that they discussed. The workgroup submitted a report to the Subcommittee. This report will provide input to EPA’s nonroad diesel staff paper.
- Mr. Cleophas Jackson (EPA) provided a status report on EPA’s nonroad diesel staff paper in his presentation “Nonroad Diesel Staff Paper Update.” He also addressed future issues, such as the need for nonroad PM control and further NO_x control.
- Mr. Ed Gardetto (EPA) gave the presentation “OBD Technical Workgroup Status.” He reviewed data from centralized OBD programs in Oregon and Wisconsin and decentralized programs in Vermont, Utah, and Maine. He pointed out the consistencies in all the programs with respect to success and failure rates. He also discussed scan tool concerns, implementation recommendations, and problems with Canadian vehicles. He emphasized that while OBD does miss some “dirty vehicles,” it identifies “clean vehicles” that are broken. Also, OBD is faster and more effective than tailpipe tests.

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- Mr. John Koupal (EPA) gave the presentation “Status of EPA’s New Generation Mobile Source Emission Model.” He explained the need for a new approach to emission factor modeling, described the progress to date, and outlined the model’s conceptual design. Mr. Koupal also described EPA’s plans for developing and deploying instruments for on-board emission measurement.

New Business

The Subcommittee is forming a new workgroup on OBD policy. Bob Maxwell (consultant for AIAM) asked about the sign-up process for membership. Greg Green (EPA) replied that a short list of members had already been developed. Mr. Maxwell expressed interest in signing up for the group.

Ms. Coralie Cooper invited interested parties to join the Air Toxics Workgroup, and said they would be developing test protocols before the next Subcommittee meeting.

Wrap-Up

The next meeting of the MSTRS is scheduled for February 13, 2002 in the Washington, D.C. area. Mr. Walsh asked members to recommend topics for the agenda. The meeting was adjourned at 3:45 p.m.

Attachments:

List of attendees (members, alternates, speakers, and staff)

List of observers

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Attendees (Members, Alternates, Speakers, and Staff)

Name	Organization
Ron Benton	Equiva Services
Bruce Bertelsen	Manufacturers of Emission Controls
Kelly Brown	Ford Motor Company
Robert Brown	Ford Motor Company
Thomas Cackette	California Air Resources Board
Coralie Cooper	NESCAUM
Edward Gardetto	USEPA
Richard Gibbs	NYS Dept. of Env. Quality
Andrew Ginsburg	OR Dept. of Env. Quality
Gregory Green	USEPA
Randal Guensler	Georgia Institute of Technology
Cheryl Hogan	USEPA
John Johnson	Michigan Technological University
Timothy Johnson	Corning, Inc.
Robert Jorgensen	Cummins
Don Keski-Hyynilä	Detroit Diesel
John Koupal	USEPA
Gay MacGregor	USEPA
Jim March	DOT
Robert Maxwell	Consultant for AIAM
Glenn Passavant	USEPA
Alan Weverstad	General Motors
Robert Sawyer	University of California–Berkeley
Michael Walsh	Consultant

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Observers

Name	Organization
Cass Andary	Alliance
Rick Barrett	Col. Dept. of Health
Tommy Chang	Honda
Bill Charmlay	EPA
Tom Darlington	AIR
Susan Field	Toyota
Jessica Grumet	Baker and Hollister LLP
Masa Nomura	Mitsubishi Motors
Glen Passavant	EPA
Chris Saricks	Argonne National Lab
Allen Schaeffer	Diesel Technology Forum
Matthew Thornton	NREL
Gene Tierney	USEPA
Marie Valentine	Toyota
Alex Vidakovic	Komatsu
Rob Wilson	Sensors, Inc.